

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/003176

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01N21/47

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 989 923 A (MAYES ANDREW GEOFFREY ET AL) 23 November 1999 (1999-11-23) figure 1a	1-15
X	GB 2 054 995 A (MARCONI CO LTD) 18 February 1981 (1981-02-18) figures 3-5	1-15
X	US 5 461 499 A (FUJIWARA TOSHIAKI ET AL) 24 October 1995 (1995-10-24) figures 1,2,11	1-15
X	US 6 483 611 B1 (MIZUTANI YASUHIRO ET AL) 19 November 2002 (2002-11-19) figures 9,10	1-15
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

22 October 2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 99/63408 A (MAYES ANDREW GEOFFREY ; UNIV CAMBRIDGE TECH (GB); BLYTH JEFFREY (GB);) 9 December 1999 (1999-12-09) pages 12-13	1-15
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 15, 6 April 2001 (2001-04-06) & JP 2000 346943 A (DENSO CORP), 15 December 2000 (2000-12-15) abstract; figure 2	1-15
A	PATENT ABSTRACTS OF JAPAN vol. 0124, no. 99 (P-807), 27 December 1988 (1988-12-27) & JP 63 208804 A (NIPPON DENSO CO LTD), 30 August 1988 (1988-08-30) abstract; figures 1,2	1-15
A	DATABASE COMPENDEX 'Online! ENGINEERING INFORMATION, INC., NEW YORK, NY, US; 1 April 1996 (1996-04-01), BLYTH JEFF ET AL: "Holographic sensor for water in solvents" XP000584685 Database accession no. EIX96303152295 abstract; figure 1 & ANAL CHEM; ANALYTICAL CHEMISTRY APR 1 1996 ACS, WASHINGTON, DC, USA, vol. 68, no. 7, 1 April 1996 (1996-04-01), pages 1089-1094,	1-15
A	US 5 898 511 A (MIZUTANI YASUHIRO ET AL) 27 April 1999 (1999-04-27) figure 6	1-15

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Ir 1st Application No
PCT/GB2004/003176

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5989923	A	23-11-1999	AU 2076795 A CA 2186603 A1 DE 69531733 D1 DE 69531733 T2 EP 1369681 A1 EP 0753139 A1 WO 9526499 A1 GB 2301886 A ,B	17-10-1995 05-10-1995 16-10-2003 01-07-2004 10-12-2003 15-01-1997 05-10-1995 18-12-1996
GB 2054995	A	18-02-1981	NONE	
US 5461499	A	24-10-1995	JP 3390467 B2 JP 5333214 A JP 6107037 A DE 4317896 A1	24-03-2003 17-12-1993 19-04-1994 02-12-1993
US 6483611	B1	19-11-2002	JP 2000009938 A JP 2000024128 A JP 2000047554 A EP 0961181 A1 US 6141123 A	14-01-2000 25-01-2000 18-02-2000 01-12-1999 31-10-2000
WO 9963408	A	09-12-1999	AU 4051099 A CA 2333670 A1 EP 1082643 A1 WO 9963408 A1 US 6689316 B1	20-12-1999 09-12-1999 14-03-2001 09-12-1999 10-02-2004
JP 2000346943	A	15-12-2000	NONE	
JP 63208804	A	30-08-1988	JP 2091026 C JP 8012297 B	18-09-1996 07-02-1996
US 5898511	A	27-04-1999	JP 6138804 A JP 6167615 A DE 69332090 D1 DE 69332090 T2 EP 0585941 A2 EP 0840183 A2 JP 6195016 A	20-05-1994 14-06-1994 08-08-2002 17-10-2002 09-03-1994 06-05-1998 15-07-1994